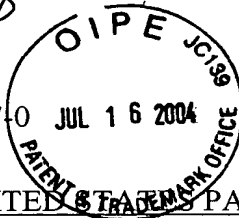


09/098,748

DOCKET NO: 0834-0167-0 JUL 16 2004



RECEIVED

JUL 20 2004

OFFICE OF PETITIONS

DAC
\$

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
TOSHIHARU HAYASHI, ET AL. :
PATENT NO: 6,086,790 :
ISSUED: JULY 11, 2000 :
FOR: TRANSPARENT CONDUCTIVE :
FILM AND COMPOSITION FOR :
FORMING SAME :

PETITION UNDER 37 C.F.R. 1.324 FOR CORRECTION OF INVENTORSHIP

IN PATENT

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicants petition the Commissioner for correction of inventorship in U.S. Patent 6,086,790. A copy of the title page thereof is attached.

It is requested that the inventorship be changed to read:

Toshiharu HAYASHI; Tomoko OKA; Akira NISHIHARA, all of Omiya, Japan

07/19/2004 SZEWDIE1 00000042 6086790

01 FC:1460

130.00 OP

REMARKS

It is requested that the stated inventorship of Patent No. 6,086,794, issued July 11, 2000, from U.S. application 09/098,748, filed June 17, 1998, be corrected to read as indicated above.

The granted request would have the effect of removing Daisuke SHIBUTA as a named inventor and adding Akira NISHIHARA as a joint inventor.

Patent No. 6,086,790
Petition for Correction of Inventorship

This petition is accompanied by

1. A Statement by Akira NISHIHARA that the inventorship error "occurred without deceptive intent on my behalf".
 2. & 3. A Statement from each of the named joint inventors Toshiharu HIYASHI and Tomoko OKA that they agree with the change of ivnetorship.
 4. A Statement by the inventor to be deleted, Daisuke SHIBUTA, that he is not an inventor of U.S. application 09/098,748, now U.S. Patent 6,086,790, (thus not disagreeing with the change) and that the error in inventorship occurred "without deceptive intent on my behalf".
 5. Consent by the Assignee, Mitsubishi Materials Corporation, signed by Akira Nishikawa as president agreeing to the change of inventorship.
 6. The fee set forth in Rule 1.20 (b).
 7. An Assignment by Akira NISHIHARA to the Assignee identified in the Patent.
- Granting of the petition is solicited.

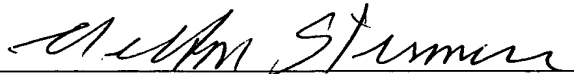
Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon

Customer Number

22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 06/04)


Milton Serman
Registration No. 27,499



RECEIVED

JUL 20 2004

OFFICE OF PETITIONS

Docket No.: 0834-0167-0

OBLON
SPIVAK
McCLELLAND
MAIER
&
NEUSTADT
P.C.

ATTORNEYS AT LAW

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

RE: Patent No: 6,086,790
Applicants: Toshiharu HAYASHI, et al.
Issue Date: July 11, 2000
For: TRANSPARENT CONDUCTIVE FILM AND
COMPOSITION FOR FORMING SAME
Group Art Unit: 1762
Examiner:

SIR:

Attached hereto for filing are the following papers:

Petition for Correction of Inventorship in Patent; Copy of Title Page of U.S. 6,086,790; Executed Declaration Statement - Nishihara; Executed Declaration Statement - Hayashi; Executed Declaration Statement -- Oka; Executed Declaration Statement -- Shibuta; Executed Assignee Consent Statement; Assignment/PTO-1595

Our credit card payment form in the amount of \$170.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

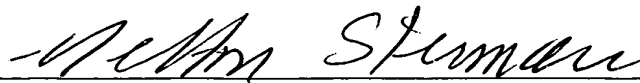
Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon

Customer Number

22850

(703) 413-3000 (phone)
(703) 413-2220 (fax)


Milton Sterman
Registration No. 27,499



US006086790A

United States Patent [19][11] **Patent Number:** **6,086,790****Hayashi et al.**[45] **Date of Patent:** **Jul. 11, 2000**

[54] **TRANSPARENT CONDUCTIVE FILM AND COMPOSITION FOR FORMING SAME**

[75] **Inventors:** Toshiharu Hayashi; Tomoko Oka; Daisuke Shibuta, all of Omiya, Japan

[73] **Assignee:** Mitsubishi Materials Corporation, Tokyo, Japan

[21] **Appl. No.:** 09/098,748

[22] **Filed:** Jun. 17, 1998

[30] **Foreign Application Priority Data**

Sep. 5, 1997 [JP] Japan 9-241410
Sep. 5, 1997 [JP] Japan 9-241411

[51] **Int. Cl.⁷** **H01B 1/00**

[52] **U.S. Cl.** **252/500**; 106/1.05; 106/1.12; 106/1.13; 106/1.15; 106/1.16; 106/1.18; 106/1.21; 106/1.22; 106/1.23; 106/1.25; 106/1.28; 252/502; 252/503; 252/507; 252/510; 252/512; 252/513; 252/514; 252/515; 252/519.12; 252/519.3; 252/519.31

[58] **Field of Search** 427/216, 125; 252/500, 502, 503, 507, 512, 510, 513, 514, 519.12, 519.3, 519.31; 106/1.05, 1.12, 1.13, 1.15, 1.16, 1.18, 1.21, 1.22, 1.23, 1.25, 1.28

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,775,176 11/1973 Cross et al. 427/353

4,387,115 6/1983 Kitamura et al. 427/98
4,430,382 2/1984 Savit 428/323
4,622,073 11/1986 Hashizume 106/290
4,826,631 5/1989 Sullivan 252/512
4,835,061 5/1989 Ohta et al. 428/469
4,950,423 8/1990 Sullivan 252/512
4,983,420 1/1991 Wolfrum et al. 427/216
5,455,117 10/1995 Nagano et al. 428/545
5,605,560 2/1997 Ono et al. 75/334
5,632,833 5/1997 Kurano et al. 427/125
5,879,417 3/1999 Ymada et al. 427/122
5,882,722 3/1999 Kydd 427/125

FOREIGN PATENT DOCUMENTS

0 848 386 6/1998 European Pat. Off. .

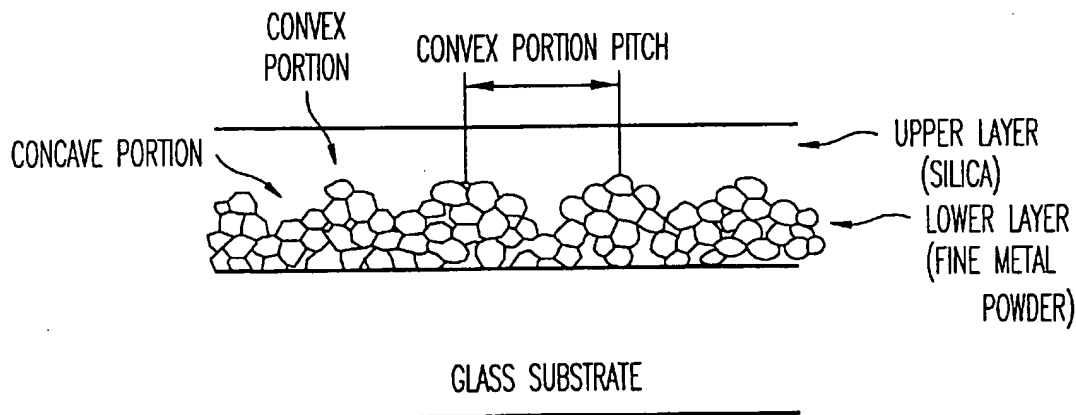
Primary Examiner—Diana Dudash

Attorney, Agent, or Firm—Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

[57] **ABSTRACT**

The present invention discloses a double-layer structured low-resistance and low-reflectivity transparent conductive film, comprising a lower high-reflectivity conductive layer containing a fine metal powder in a silica-based matrix and a silica-based low-reflectivity layer, suitable for imparting electromagnetic shielding property and anti-dazzling property to a CRT.

16 Claims, 12 Drawing Sheets



DOCKET NO.: 0834-0167-0



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: : EXAMINER: DUDASH
Toshiharu HAYASHI, et al. : GROUP ART UNIT: 1762
SERIAL NO.: 09/098,748 : ALLOWED: FEBRUARY 10, 2000
FILED: JUNE 17, 1998 : U.S. PATENT NO.: 6,086,790
FOR: TRANSPARENT CONDUCTIVE FILM AND COMPOSITION FOR FORMING SAME

DECLARATION STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Akira Nishihara who deposes and state that:

1. I, Akira Nishihara, am an inventor of U.S. Application 09/098,748, filed on June 17, 1998
(now U.S. PATENT NO. 6,086,790).

2 I affirm that the error in inventorship in U.S. Application 09/098,748, filed on June 17,
1998 (now U.S. PATENT NO. 6,086,790), occurred with out deceptive intent on my behalf.

3. The undersigned petitioner declares further that all statements made herein of their own
knowledge are true and that all statements made on information and belief are believed to be true; and
further that these statements were made with the knowledge that willful false statements and the like so
made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United
States Code and that such willful false statements may jeopardize the validity of this application or any
patent issuing thereon.

4. Further deponent saith not.

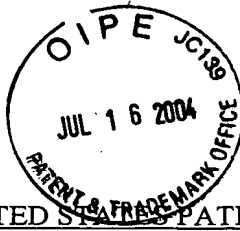
Akira Nishihara

Akira Nishihara

June 10, 2004

Date

DOCKET NO.: 0834-0167-0



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

: EXAMINER: DUDASH

Toshiharu HAYASHI, et al.

: GROUP ART UNIT: 1762

SERIAL NO.: 09/098,748

: ALLOWED: FEBRUARY 10, 2000

FILED: JUNE 17, 1998

: U.S. PATENT NO.: 6,086,790

FOR: TRANSPARENT CONDUCTIVE FILM AND COMPOSITION FOR FORMING SAME

DECLARATION STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Toshiharu Hayashi who deposes and state that:

1. I, Toshiharu Hayashi, am an inventor of U.S. Application 09/098,748, filed on June 17, 1998 (now U.S. PATENT NO. 6,086,790).

2 I agree with the change in inventorship in U.S. Application 09/098,748, filed on June 17, 1998 (now U.S. PATENT NO. 6,086,790).

3. The undersigned petitioner declares further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

4. Further deponent saith not.

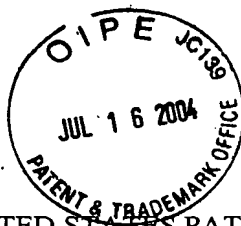
Toshiharu Hayashi

Toshiharu Hayashi

June, 16, 2004

Date

DOCKET NO.: 0834-0167-0



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

: EXAMINER: DUDASH

Toshiharu HAYASHI, et al.

: GROUP ART UNIT: 1762

SERIAL NO.: 09/098,748

: ALLOWED: FEBRUARY 10, 2000

FILED: JUNE 17, 1998

: U.S. PATENT NO.: 6,086,790

FOR: TRANSPARENT CONDUCTIVE FILM AND COMPOSITION FOR FORMING SAME

DECLARATION STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Tomoko Oka who deposes and state that:

1. I, Tomoko Oka, am an inventor of U.S. Application 09/098,748, filed on June 17, 1998
(now U.S. PATENT NO. 6,086,790).

2 I agree with the change in inventorship in U.S. Application 09/098,748, filed on June 17,
1998 (now U.S. PATENT NO. 6,086,790).

3. The undersigned petitioner declares further that all statements made herein of their own
knowledge are true and that all statements made on information and belief are believed to be true; and
further that these statements were made with the knowledge that willful false statements and the like so
made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United
States Code and that such willful false statements may jeopardize the validity of this application or any
patent issuing thereon.

4. Further deponent saith not.

Tomoko Oka

Tomoko Oka

June 6, 2004

Date

DOCKET NO.: 0834-0167-0



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: : EXAMINER: DUDASH
Toshiharu HAYASHI, et al. : GROUP ART UNIT: 1762
SERIAL NO.: 09/098,748 : ALLOWED: FEBRUARY 10, 2000
FILED: JUNE 17, 1998 : U.S. PATENT NO.: 6,086,790
FOR: TRANSPARENT CONDUCTIVE FILM AND COMPOSITION FOR FORMING SAME

DECLARATION STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Daisuke Shibuta who deposes and state that:

1. I, Daisuke Shibuta , am not an inventor of U.S. Application 09/098,748, filed on June 17, 1998 (now U.S. PATENT NO. 6,086,790).

2 I affirm that the error in inventorship in U.S. Application 09/098,748, filed on June 17, 1998 (now U.S. PATENT NO. 6,086,790), occurred with out deceptive intent on my behalf.

3. The undersigned petitioner declares further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

4. Further deponent saith not.

Daisuke Shibuta

Daisuke Shibuta

June 4, 2004

Date

DOCKET NO.: 0834-0167-0



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

: EXAMINER: DUDASH

Toshiharu HAYASHI, et al.

: GROUP ART UNIT: 1762

SERIAL NO.: 09/098,748

: ALLOWED: FEBRUARY 10, 2000

FILED: JUNE 17, 1998

: U.S. PATENT NO.: 6,086,790

FOR: TRANSPARENT CONDUCTIVE FILM AND COMPOSITION FOR FORMING
SAME

ASSIGNEE CONSENT STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Akira Nishikawa who is authorized to act on behalf of

· MITSUBISHI MATERIALS CORPORATION.

· MITSUBISHI MATERIALS CORPORATION is the owner of the entire right, title
and interest in and to the invention claimed and disclosed in the U.S. patent application
09/098,748 (now U.S. PATENT NO. 6,086,790) by virtue of assignment, said assignment
having been recorded in the United States Patent and Trademark Office at Reel No. 9404,
Frame 0908. MITSUBISHI MATERIALS CORPORATION agrees to the change of
inventorship is to add Akira Nishihara as an inventor and to delete Daisuke Shibuta as an
inventor in this application.

Date:

June 8, 2004

By:

Name: Akira Nishikawa

Title: President